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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,332	04/16/2004	Norbert Erhard	028972.53933US	7895
23911 7590 05/18/2007 CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300			EXAMINER MCGRAW, TREVOR EDWIN	
			ART UNIT 3752	PAPER NUMBER
			MAIL DATE 05/18/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/825,332	Applicant(s) ERHARD ET AL.	
	Examiner Trevor McGraw	Art Unit 3752	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 December 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-17 and 19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10, 14-16 and 19 is/are rejected.
- 7) ☒ Claim(s) 11-13 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. <u>04/30/2007</u> . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Examiner's Comment

Examiner is reopening prosecution of application number 10/825,332 in view of Applicant's Appeal brief and upon further consideration of the prior art.

Response to Arguments

Rejection under Double Patenting

Applicant's arguments, see pages 2-4, filed 10/03/2006, with respect to Claims 10 have been fully considered and are persuasive. The provisional double patenting rejection of Claim 10 has been withdrawn.

Rejection under 35 USC § 102

Applicant's arguments, see pages 4-5, filed 10/03/2006, with respect to the rejection(s) of claim(s) 10-17 and 19 under 35 USC § 102(b) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Wollin (US 5,916,367) in view of Obrecht (US 4,082,324).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10 14-16 and 19 rejected under 35 U.S.C. 103(a) as being unpatentable over Wollin (US 5,916,367) in view of Obrecht (US 4,082,324).

In regard to Claim 10, 14-16 and 19 Wollin (US 5,916,367) teaches a spray head for a spraying tool having an end (15) and a plurality of passages (Column 5, lines 40-67) for media to be sprayed wherein the end of each spray unit has a chamber (22; see also Figure 2) where a plurality of coupling elements (24) communicate with the passages and reach into both chambers at the ends of the spray units that are joined and each coupling element includes a passage and where the end of the spray unit has two chambers that are arranged parallel to one another. (In regard to Claims 14-16) Wollin further teaches where the end of the spray units have two chambers arranged parallel to one another where the chambers are coaxial with two of the passages of one of the spray units where between the two passages that are coaxial with the two chambers there is a third passage at the end of each spray unit (18, 19, 22, and connecting conduits). Wollin fails to teach where the coupling element recesses have a tapered surface and a clamp that engages the tapered surfaces and presses the joined spray units together. However, Obrecht (US 4,082,324) teaches that it is known to have coupling elements that have a tapered surface (Figure 1 and 2) and a clamp that engages the tapered surfaces and presses the joined spray units together. It would have been obvious to one having ordinary skill in the art at the time the present invention was made to provide the coupling element recesses of Wollin with the tapered surfaces of the recesses taught by Obrecht and to further provide the clamping device

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of Obrecht with Wollin so as to afford a manner in which the spray units can be pressed together where the tapered surfaces increase the contact surface area engagement of the spray units thereby preventing slippage when operating under pressurized conditions.

Allowable Subject Matter

Claims 11-13 and 17 are objected to as being dependent upon a rejected base claim, but appear to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

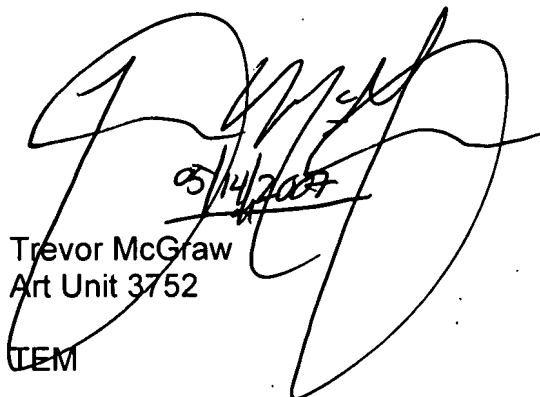
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Barnes (US 3,341,124) and MacDonald et al. (US 5,976,418).

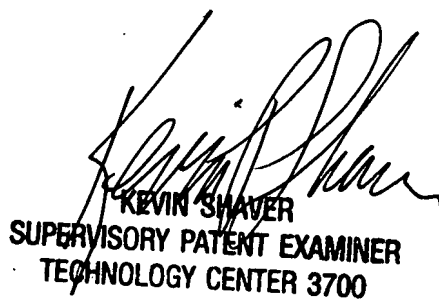
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trevor McGraw whose telephone number is (571) 272-7375. The examiner can normally be reached on Monday-Friday (2nd & 4th Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Shaver can be reached on (571) 272-4720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


5/14/2009
Trevor McGraw
Art Unit 3752
TEM


KEVIN SHAVER
SUPERVISORY PATENT EXAMINER
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